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MONTANA OIL AND GAS STATISTICAL BULLETIN

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OIL AND GAS CONSERVATION COMMISSION

SAVINGS BLDG.

HELENA, MONTANA

VOL. VIII, No. 9 THURBER'S HELENA September, 1960

Production of crude oil and condensate from the oil and gas areas of Montana for the month of September, 1960, averaged 83,968 barrels daily, a decrease of 443 barrels from the average August production of 84,411.

The nine refineries in the State processed 75,422 barrels of crude oil daily for the month of September, 1960, an increase of 1,964 barrels daily from the 73,458 barrels processed daily during the month of August, 1960.

During September, 37 wells were completed, 16 oil, 2 gas wells and 19 dry holes.

During September, the Commission issued 35 permits to drill new wells, a decrease of 8 from the 43 permits issued during August.

SUMMARY OF CRUDE OIL PRODUCTION, REFINING, STORAGE, ETC., IN MONTANA

MONTH OF SEPTEMBER, 1960

IN STORAGE SEPTEMBER 1st:

By Producers	364,967
By Transporters	577,890
By Refiners	644,048
TOTAL STORAGE	1,586,905
Produced in Montana During Month	2,519,050
Imported During Month	1,273,136
TOTALS	5,379,091

DISPOSITION:

Refined in Montana	2,262,712
Exported	1,612,735
Used for Fuel or Lost	12,940
TOTAL	3,888,387

IN STORAGE SEPTEMBER 30th:

By Producers	354,020
By Transporters	539,927
By Refiners	596,757
TOTAL STORAGE	1,490,704

NATURAL GAS WITHDRAWALS IN MONTANA

Month of September, 1960

Field	M Cu. Ft.
Bears Den	11,515
Big Coulee	47,553
Bowdoin	61,071
Bowes	108,709
Box Elder	1,807
Cabin Creek	94,326
Cedar Creek	171,869
Clarks Fork	34,316
Cut Bank (including Reagan)	532,816
Devon	17,884
Dry Creek	81,740
Elk Basin	67,426
Flat Coulee	4,244
Golden Dome	0
Grandview	50,253
Hardin	4,169
Keith Block	0
Kevin Sunburst	99,466
Pine	76,678
Plevna	16,912
Utopia	0
Whitlash	100,733
Miscellaneous	110,216
TOTAL	1,709,167

Total Withdrawals for September, 1959 were 1,444,594 M Cu. Ft.

PRODUCER'S REPORT
MONTH OF SEPTEMBER, 1960

Leases	Field	No. of Wells	Storage 1st of Month	Oil Produced	Oil Shipped By		Used or Lost	Storage End of Month
					Pipeline	Truck		
1	Ash Creek	4	1,048	2,200		2,200		1,048
2	Bannatyne	6	3,047	641		663	35	2,990
1	Belfry	1	242	1,526		1,577		191
11	Big Wall	25	3,135	21,637		22,994	40	1,738
12	Blackfoot	16	2,956	9,846		9,510	2	3,290
2	Border	4		956		956		
23	Bowes	80	5,290	22,120	22,613			4,797
	Bredette		1,113					1,113
2	Bredette, North	2	811	1,604	1,325			1,090
4	Brorson	4	5,095	4,011	3,660			5,446
2	Cabin Creek	103	10,000	382,878	384,125		576	8,177
23	Cat Creek	95	4,287	17,280	12,971	4,512		4,084
	Clark's Fork		183					183
2	Clark's Fork, North	3	2,831	12,000		12,000	107	2,724
1	Cupton	2	970		651			319
354	Cut Bank	1071	125,399	166,817	170,632		4,048	117,536
3	Deer Creek	6	2,152	12,328	12,103			2,377
3	Delphia	3	1,247	2,084		2,252		1,079
	Devil's Basin		1,018					1,018
5	Dry Creek	5	685	3,187	2,936			936
2	Dwyer	2	1,545	7,522		7,191		1,876
7	Elk Basin	57	2,501	251,508	251,134			2,875
1	Fertile Prairie	1	730	243				973
2	Frannie	2	391	1,712	1,598			505
2	Gage	2	830	1,434		1,343	135	786
3	Gas City	10	2,410	13,396	11,415			4,391
6	Glendive	11	4,631	35,744	36,263			4,112
3	Gypsy Basin	4	927	766		1,069		624
10	Ivanhoe	21	6,653	27,251		28,221		5,683
4	Keg Coulee	5	2,047	29,558		28,983		2,622
255	Kevin-Sunburst	1,192	14,415	66,924	65,720		32	15,587
2	Little Beaver	10	2,615	20,788	20,127			3,276
4	Little Beaver, East	12	3,587	20,415	20,580			3,422
4	Melstone	9	1,673	2,502		1,747		2,428
5	Monarch	13	4,015	36,485	37,348			3,152
3	Mosser	5	325	505		548		282
7	Outlook	11	5,602	49,550	48,604			6,548
3	Outlook, South	3	1,543	4,338	4,671			1,210
11	Pennel	20	6,958	53,402	52,407			7,953
5	Pine	148	17,393	413,512	416,519			14,386
81	Pondera	317	8,892	43,817	45,492		8	7,209
7	Poplar, East	93	16,691	259,329	256,304		14	19,702
3	Poplar, Northwest	4	805	1,995	1,854			946
4	Ragged Point	9	4,087	13,435		13,804		3,718
	Rattlesnake Butte		116				116	
4	Reagan	50	2,509	15,402	15,089			2,822
10	Red Creek	19	3,040	28,633		28,273		3,400
1	Redstone	1	319	1,126	952			493
1	Repeat	1	143	4,205	4,155			193
6	Richey	11	5,181	13,888	13,408			5,661
2	Richey, Southwest	2	1,930	5,617	6,365			1,182
1	Rosebud County	1	618	2,637		2,699		556
7	Sand Creek	8	3,857	24,584	24,159			4,282
2	Snyder	4	488	1,793		1,926		355
4	Soap Creek	17	8,353	4,385		4,904		7,834
10	Stensvad	26	12,473	145,459	145,570		971	11,391
1	Stillwater County	1	602			481	10	111
27	Sumatra	85	17,049	190,425	182,238	7,667	527	17,042
4	Sweetgrass Hills	4	977	474		915		536
3	Whitlash	3	15,418	1,085	206	879		15,418
6	Wills Creek	12	3,678	32,097	32,255			3,520
9	Wolf Springs	18	3,880	28,264	28,028			4,116
2	Woodrow	2	833	1,730	1,857			706
	Yellowstone		728				728	
985		3656	364,967	2,519,050	2,335,334	187,314	7.349	354,020

Total Oil Produced and Shipped from Lease	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1959	29,857,226	81,800	29,815,632	81,686
First Quarter, 1960	7,565,291	83,135	7,540,471	82,862
Second Quarter, 1960	7,277,871	79,976	7,265,563	79,841
July, 1960	2,603,746	83,991	2,599,359	83,850
August, 1960	2,616,757	84,411	2,638,508	85,113
September, 1960	2,519,050	83,968	2,522,648	84,088

Oil in Storage	In Producers Field Tank	In Transporters Storage	In Refiners Storage*	Total Oil in Storage*
December, 1959	362,849	645,661	619,430	1,627,940
March, 1960	384,565	613,000	620,075	1,617,640
June, 1960	386,082	646,801	795,779	1,828,662
July, 1960	388,379	550,143	645,335	1,583,857
August, 1960	364,967	577,890	644,048	1,586,905
September, 1960	354,020	539,927	596,757	1,490,704

*Includes Wyoming Oil

TRANSPORTERS REPORT
MONTH OF SEPTEMBER, 1960

	Storage First of Month	OIL RECEIVED BY			Loss or Gain	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK---Truck			2,200				2,200		
BANNATYNE—Truck			663			663			
BELFRY—Truck			1,577				1,577		
BIG WALL—Truck			22,994			22,994			
BLACKFOOT—Union Oil Co.			9,510			9,510			
BORDER—Truck			956			956			
BOWES---									
Trigood Oil Co.	2,305	3,010			85	2,681			2,549
Texaco, Inc.		19,603				19,603			
	2,305	22,613			85	22,284			2,549
BRORSON---Sun Oil Co.		3,660					3,660		
CABIN CREEK & OTHERS*									
Butte Pipe Line Co.	341,704	957,578		506,425	(1)		1,508,283		297,425
Shell Pipe Line Co.	5,172	154,947			204			156,808	3,107
	346,876	1,112,525		506,425	203		1,508,283	156,808	300,532
CAT CREEK—									
Continental Pipe Line Co.	6,554	12,971			1,420	13,510			4,595
Truck			4,512			4,512			
	6,554	12,971	4,512		1,420	18,022			4,595
CLARK'S FORK---Truck			12,000				12,000		
CUT BANK—									
Big West Oil Co.		376		16,717		17,093			
Darling Gathering System, Inc.	1,860	7,868						7,872	1,856
Phillips Petroleum Co.	19,639	52,535		27,470	796	77,494		41	21,313
Texas Pipe Line Co.	22,815	27,124		10,979	260	12,718		23,677	24,263
Toronto Pipe Line Co.	22,046	42,278			211			40,645	23,468
Union Oil Co.	72,486	42,338		11,785	(439)	36,457			90,591
	138,846	172,519		66,951	828	143,762		72,235	161,491
DELPHIA—Truck			2,252			2,252			
DRY CREEK—									
Marathon Pipe Line Co.	9,598	2,936			63			2,590	9,881
DWYER---Truck			7,191				7,191		
ELK BASIN—Ohio Oil Co.		251,134					251,134		
FRANNIE—Ohio Oil Co.		1,598					1,598		
GAGE—Truck			1,343			1,343			
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK---									
The Texas Pipe Line Co.	12,963	74,390			646		54,548	25,973	6,186
GYPSY BASIN---Truck			1,069			1,069			
IVANHOE---Truck			28,221				28,221		
KEG COULEE—Truck			28,983			28,983			
KEVIN-SUNBURST—									
Big West Oil Co.	2,137	47,947				47,716			2,362
Homestake Oil & Gas Co.	3,524	2,610		7,872	(1)	13,979			28
The Texas Pipe Line Co.	4,077	29,569			12	29,557			4,077
	9,738	80,126		7,872	11	91,252			6,473
MELSTONE—Truck			548				548		
MOSSER---Truck			1,747			1,747			
PONDERA—Phillips Petr. Co.	8,433	46,373			342	48,255			6,209
POPLAR, BREDETTE, OUTLOOK, SOUTH OUTLOOK, LINE COULEE, REDSTONE & RICHEY—									
East Poplar Gathering System	12,585	323,294			542			323,642†	11,695
RAGGED POINT—Truck			13,804			13,804			
REAGAN—Union Oil Co.		15,089				15,089			
RED CREEK---Truck			28,273			4,475	23,798		
SNYDER—Truck			1,926				1,926		
SOAP CREEK---Truck			4,904				4,904		
SUMATRA AND STENSVAD—									
Powder River Pipe Line, Inc.	24,280	327,808			1,027	308,161	20,040		22,860
Truck			7,667				7,667		
	24,280	327,808	7,667		1,027	308,161	27,707		22,860
SWEETGRASS HILLS—Truck			915			915			
WHITLASH—									
Homestake Oil & Gas Co.	218	206							424
Western Natural Gas Co.	2,014								2,014
Truck			879			879			
	2,232	206	879			879			2,438
WOLF SPRINGS—									
Powder River Pipe Line Co.	3,480	28,308			(32)	26,802			5,018
UNNAMED---Rosebud Cty., Truck			2,699				2,699		
UNNAMED---Stillwater Cty. Truck			481				481		
TOTALS	577,890	2,475,550	187,314	581,248	5,135	763,217	1,932,475	581,248	539,927

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, East Little Beaver, Monarch, Pennel, Pine, Repeat, Richey, Southwest Richey and Wills Creek Fields. †Transferred to Butte Pipe Line Co.

BARRELS OF CRUDE OIL REFINED IN MONTANA

MONTH OF SEPTEMBER, 1960

Field	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Humble Oil & Ref. Co.	Jet Fuel Refinery	Phillips Petr. Co.	Texaco Inc.	Union Oil Co.	Total
Blackfoot									9,477	9,477
Bowes			20,553							20,553
Cat Creek		10,738		1,208		6,609				18,555
Cut Bank	17,877						76,978	39,860	29,403	164,118
Dry Creek				3,340						3,340
Elk Basin		56,865			126,162					183,027
Gage				281						281
Ivanhoe						448				448
Kevin-Sunburst	52,601							66,473		119,074
Melstone				7,875		333				8,208
Pondera							48,534			48,534
Reagan									15,088	15,088
Red Creek									4,474	4,474
Sumatra		582		168,325	178,177					347,084
Whitlash									679	679
Wolf Springs					46,636					46,636
Total Montana Oil	70,478	68,185	20,553	181,029	350,975	7,390	125,512	106,333	59,121	989,576
Canadian Oil Imported									1,529	1,529
Wyoming Oil Imported		329,323		424,189	518,095					1,271,607
TOTAL Mont., Canadian & Wyoming Oil	70,478	397,508	20,553	605,218	869,070	7,390	125,512	106,333	60,650	2,262,712

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	TOTAL
Year, 1959	29,898	11	41,483	71,392
September, 1959	31,243	18	37,903	69,164
September, 1960	32,985	51	42,386	75,422

PERCENTAGE OF CRUDE OIL REFINED

Montana	Canada	Wyoming
41.87%	.03%	58.10%
45.17%	.03%	54.80%
43.73%	.08%	56.19%